PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file refe					
P1166PCT		THER ACTION	See Form PCT/IPEA/416		
International application No.		I filing date (day/month/year)	Priority date (day/month/year)		
PCT/CH2004/00	02.04	.2004	03.04.2003		
International Patent Classifica	ation (IPC) or national classific	ation and IPC			
Applicant					
CS ANALYTICS	AG				
			· Value of Deliving Province Analysis		
	nternational preliminary exami d transmitted to the applicant ac		is International Preliminary Examining Authority		
2. This REPORT cons	sists of a total of 5	sheets, include	ding this cover sheet.		
3. This report is also a	ccompanied by ANNEXES, co	mprising:			
a. (sent to	the applicant and to the Intern	ational Bureau) a total of 2	sheets, as follows:		
			en amended and are the basis for this report and/or		
	eets containing rectifications at structions).	ithorized by this Authority (see	Rule 70.16 and Section 607 of the Administrative		
			considers contain an amendment that goes beyond		
	the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
b. (sent to					
J					
related the	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see				
	02 of the Administrative Instruc				
4. This report contain	s indications relating to the follow	owing items:			
Box No. I	Basis of the report	report			
Box No. II	Priority				
Box No. III	Non-establishment of op	inion with regard to novelty, inv	ventive step and industrial applicability		
Box No. IV	Lack of unity of invention	n			
Box No. V	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. V	Box No. VI Certain documents cited				
Box No. V	II Certain defects in the int	ernational application			
Box No. V	III Certain observations on	the international application			
Date of submission of the demand Date of completion of this report					
Date of submission of the de	mand	Date of completion o	i una report		
Name and mailing address of the IPEA/EP		Authorized officer			
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Facsimile No.		Telephone No.			

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CH2004/000207

Box	No. I	Basis of the report				
1.	 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. 					
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:					
		international search (Rule 12.3 and 23.1(b))				
		publication of the international application (Rule 12.4)			
		international preliminary examination (Rule 55.2 and	or 55.3)			
2.	2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
	\square	international application as originally filed/furnished				
	the the	description:				
	pag	ges <u>1-5</u>		as originally filed/furnished		
	pag	ges*	received by this Authority on			
	pag	ges*	received by this Authority on			
	the	claims:				
	nos	s1		as originally filed/furnished		
	nos			r with any statement) under Article 19		
	nos			,		
	nos		-			
			_ received by this Authority on			
	the	drawings:				
	she	eets		as originally filed/furnished 01.12.2004 with letter		
	she	eets* 1/2-2/2	received by this Authority on	of 29.11.2004		
	she	eets*	received by this Authority on			
	as	equence listing and/or any related table(s) - see Supplem	nental Box Relating to Sequence I	isting.		
3.	Th	ne amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, nos.		,		
	Ē	7				
		the sequence listing (specify):				
		7				
		any table(s) related to sequence listing (specify):				
4.		nis report has been established as if (some of) the amend by have been considered to go beyond the disclosure as f	iled, as indicated in the Supplement	ntal Box (Rule 70.2(c)).		
		the description, pages				
	the claims, nos.					
	the drawings, sheets/figs					
	the sequence listing (specify):					
	any table(s) related to sequence listing (specify):					
*	If item 4	applies, some or all of those sheets may be marked "sup	perseded."			

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Box No. V		Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1.	Statement				
	Novelty	(N)	Claims	1	YES
			Claims		NO
	Inventive step (IS)	e step (IS)	Claims		YES
			Claims	1	NO
	Industria	al applicability (IA)	Claims	1	YES
			Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - 1. Independent claim 1
 - 1.1 D1 is considered the prior art closest to the subject matter of claim 1. D1 discloses (see the entire document) a rotation valve for high power liquid chromatography (HPLC)
 - with a stator (10) with connections (e.g. 14, 15) for solvent reservoirs, pumps, chromatography columns, etc., and holes leading from the connections to openings in a contact surface, and a disc-shaped rotor (11) with front-end connection grooves (12, 13) for the optional interconnection of various connections, wherein
 - the openings in the contact surface are distributed evenly across one circle and the connection grooves (12, 13) in the front face of the rotor are configured in the form of circular segments and are arranged such that, in defined rotor positions, three connections are simultaneously connected to one another

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

(see also claim 1).

- 1.2 The subject matter of claim 1 differs from **D1** in that
 - the openings in the contact surface are distributed evenly across two concentric circles and that in defined rotor positions on each circle, five connections are simultaneously interconnected (see also claim 1).
- 1.3 These differentiating features appear, however, to be known measures lying within the scope of that which a person skilled in the art routinely does on the basis of familiar considerations. Depending on the task to be accomplished by the rotation valve, a person skilled in the art would therefore design the stator with as many concentric circles as necessary and would design the grooves on the rotor such that as many connections as necessary were simultaneously interconnected.
- 1.4 The subject matter of claim 1 does not therefore appear to involve an inventive step (PCT Article 33(3)).

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Supplemental Box	
In case the space in any of the preceding boxes is not sufficient.	
Continuation of:	
Box I:	
D1: WO 02/12878 A (DOEBELIN WERNER) 1	4 February 2002
(2002-02-14)	